Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	02/27/2018 10:19 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124989	-1	1.74	124880	1.76
Blue	F	SSC	125000	123292	-2	2.82	123675	2.65
Blue	E	FITC	23615	22664	-5	2.64	1006	10.75
Blue	D	PE	26739	26236	-2	2.28	941	10.21
Blue	B	PerCP-Cy5-5	48339	47441	-2	3.56	1368	17.27
Blue	A	PE-Cy7	45021	44952	-1	5.35	694	38.36
Red	C	APC	53064	52169	-2	2.69	3004	9.44
Red	A	APC-Cy7	57175	56529	-2	2.74	1181	11.53
Violet	B	V450	14728	14236	-4	4.30	681	9.39
Violet	A	V500	58621	56755	-4	4.21	2508	6.60

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19949	2.72	611	-3	N/A	N/A	Pass
Blue	F	SSC	61073	1.66	554	8	N/A	N/A	Pass
Blue	E	FITC	114	38.37	548	0	0.0186	63	Pass
Blue	D	PE	206	30.04	539	3	0.1490	241	Pass
Blue	B	PerCP-Cy5-5	213	46.92	640	5	0.0097	133	Pass
Blue	A	PE-Cy7	75	124.43	699	6	0.0100	8	Pass
Red	C	APC	342	28.34	600	3	0.0204	87	Pass
Red	A	APC-Cy7	129	41.41	584	4	0.0051	1564	Pass
Violet	B	V450	82	43.80	464	-6	0.0429	1931	Pass
Violet	A	V500	183	23.57	490	-7	0.0153	759	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.64	-31.04	0.94
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.35
Red	16.68	14.40 - 21.60	N/A	N/A	30.70	31.25	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 12986

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments